CLAIMS

We claim:

- 1. A method for applying personal information in the use of Web services comprising:
 - a) eliciting an action by a user that verifies said user's identity,
 - b) associating one or more pairs of user input sequences and URL's,
 - c) connecting said pairs with said user's verified identity,
 - d) storing said pairs connected with said user's identity in a database accessible on the public Internet.
 - retrieving each of said pairs when a user input sequence included in a particular pair is needed by said user for entry at an associated URL included in said particular pair, and
 - entering said user input sequence included in said particular pair into the Web page at said associated URL included in said particular pair,
 - whereby said user can easily recall any repetitive personal information that said user needs to access and use Web services with minimal maintenance burden for said user.
- The method of claim 1 wherein at least one of said pairs includes a type of user input sequence that is a sign-on procedure for a Web service.
- The method of claim 1 wherein at least one of said pairs includes a type of user input sequence that is entry data for an order form for purchasing via a Web service.
- 4. The method of claim 1 wherein at least one of said pairs includes a recorded user input sequence that is captured by recording during effective use of said recorded user input sequence at the URL associated with said recorded user input sequence.
- The method of claim 1 wherein at least one of said pairs is formed by direct entry of a predetermined user input sequence and a URL associated with said predetermined user input sequence.
- 6. The method of claim 1 wherein said action by said user that verifies said user's identity is

- entry of a passphrase.
- The method of claim 6 wherein said user's identity is further verified by checking data on a portable memory device possessed by said user.
- The method of claim 6 wherein said user's identity is further verified by comparing one or more of the physical characteristics of said user to biometric data stored on a portable memory device possessed by said user.
- 9. A method for applying personal information in the use of Web services comprising:
 - a) entry by a user of a passphrase that verifies said user's identity,
 - b) encrypting said passphrase with one-way encryption to derive a User ID,
 - c) associating one or more pairs of user input sequences and URL's,
 - d) encrypting said pairs with a key derived from said passphrase,
 - e) connecting the encrypted pairs with said User ID,
 - storing said encrypted pairs connected with said User ID in a database accessible on the public Internet,
 - g) retrieving each of said encrypted pairs when a user input sequence included in a particular encrypted pair is needed by said user for entry at an associated URL included in said particular encrypted pair,
 - h) decrypting said particular encrypted pair with said key derived from said passphrase, and
 - entering said user input sequence included in said particular encrypted pair into the Web page at said associated URL included in said particular encrypted pair,
 - whereby said user can easily recall any repetitive personal information that said user needs to access and use Web services with minimal maintenance burden and a high degree of privacy for said user.
- 10. The method of claim 9 wherein at least one of said pairs includes a type of user input sequence that is a sign-on procedure for a Web service.
- 11. The method of claim 9 wherein at least one of said pairs includes a type of user input sequence that is entry data for an order form for purchasing via a Web service.

- 12. The method of claim 9 wherein at least one of said pairs includes a recorded user input sequence that is captured by recording during effective use of said recorded user input sequence at the URL associated with said recorded user input sequence.
- 13. The method of claim 9 wherein at least one of said pairs is formed by direct entry of a predetermined user input sequence and a URL associated with said predetermined user input sequence.
- 14. The method of claim 9 wherein said user's identity is further verified by checking data on a portable memory device possessed by said user.
- 15. The method of claim 9 wherein said user's identity is further verified by comparing one or more of the physical characteristics of said user to biometric data stored on a portable memory device possessed by said user.